

Recombinant Human GLMN Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50377

Size: 10ug, 100ug

Protein Name: Glomulin (FK506-binding protein-associated protein) (FAP) (FKBP-associated protein)

Synonym: GLMN, FAP48, FAP68, VMGLOM

UniProt ID: Q92990

UniProt Link: www.uniprot.org/uniprotkb/Q92990/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 594 AA

Molecular Weight: 68 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MAVEELQSIIKRCQILEEQDFKEEDFGLFQLAGQRCIEEGHTDQLLLEIIQNEKNKVIKNGWNLVGPV
VRCLLCKDKEDSKRKVYFLIFDLLVKLCNPKEILLGLLELIEEPGKQISQSILLLLQPLQTVIQKLHNKA
YSIGLALSTLWNQLSLLPVPYSKEQIQMDDYGLCQCCKALIEFTKPFVEEVIDNKENSLNEKLKDELL
KFCFKSLKCPLLTAQFFEQSEEGGNDPFRYFASEIIGFLSAIGHFPFKMIFNHGRKKRTWNYLEFEEE
ENKQLADSMASLAYLVFVQGIHIDQLPMVLSPLYLLQFNMGHIEVFLQRTEESVISKGLELLENSLLRI
EDNSLLYQYLEIKSFLTVPQGLVKVMTLCPIETLRKKSLAMLQLYINKLDSQGKYTLFRCLLNTSNHSG
VEAFIIQNIKNQIDMSLKRTRNNKWFTGPQLISLLDLVLFLPEGAETDLLQNSDRIMASLNLLRYLVIKD
NENDNQTLGLWTELGNIENNFLKPLHIGLNMSKAHYEAEIKNSQEAQKSKDLCITVSGEEIPNMPPE
MQLKVLHSALFTFDLIESVLARVEELIEIKTKSTSEENIGIK

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Glomulin (FK506-binding protein-associated protein) (FAP) (FKBP-associated protein) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: [Isoform 1]: Regulatory component of cullin-RING-based SCF (SKP1-Cullin-F-box protein) E3 ubiquitin-protein ligase complexes (PubMed:22405651, PubMed:22748924). Inhibits E3 ubiquitin ligase activity by binding to RBX1 (via RING domain) and inhibiting its interaction with the E2 ubiquitin-conjugating enzyme CDC34 (PubMed:22405651, PubMed:22748924). Inhibits RBX1-mediated neddylation of CUL1 (PubMed:22405651). Required for normal stability and normal cellular levels of key components of SCF ubiquitin ligase complexes, including FBXW7, RBX1, CUL1, CUL2, CUL3, CUL4A, and thereby contributes to the regulation of CCNE1 and MYC levels (By similarity). Essential for normal development of the vasculature (PubMed:11845407). Contributes to the regulation of RPS6KB1 phosphorylation (PubMed:11571281).

Subcellular Localization: N/A

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.